

TELEGRAPH STATISTICS

OF THE

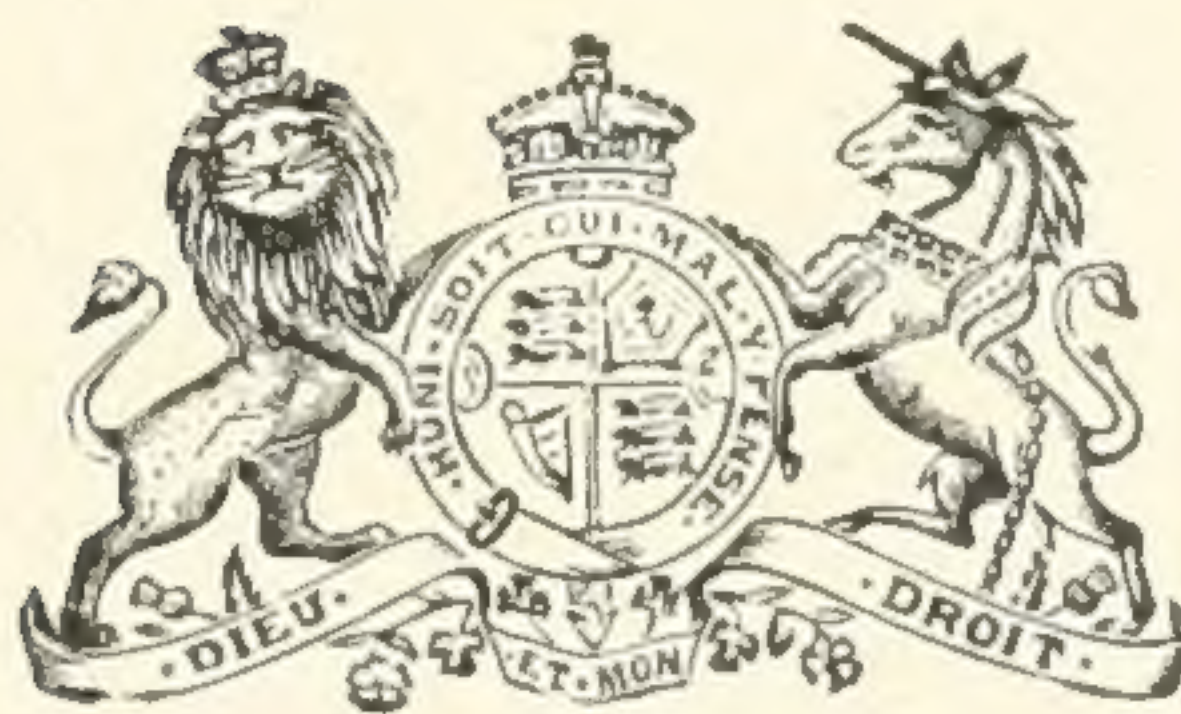
DOMINION OF CANADA

FOR THE

YEAR ENDED JUNE 30

1916

PRINTED BY ORDER OF PARLIAMENT



OTTAWA

PRINTED BY J. DE L. TACHÉ
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY

1917

*To His Excellency the Duke of Devonshire, K.G., P.C., G.C.M.G., G.C.V.O., etc.,
etc., Governor General and Commander in Chief of the Dominion of Canada.*

MAY IT PLEASE YOUR EXCELLENCY:

The undersigned has the honour to present to Your Excellency the Annual Report of the Comptroller of Statistics in relation to the telegraph interests of the Dominion of Canada for the year ended June 30, 1916.

F. COCHRANE,
Minister of Railways and Canals.

To the Honourable F. COCHRANE,
Minister of Railways and Canals.

SIR,—I have the honour to submit the Report of the Comptroller of Statistics in relation to the telegraph interests of the Dominion of Canada for the year ended June 30, 1916.

I have the honour to be, sir,
Your obedient servant,

A. W. CAMPBELL,
Deputy Minister of Railways and Canals.

OFFICE OF THE COMPTROLLER OF STATISTICS,

OTTAWA, March 5, 1917.

A. W. CAMPBELL, Esq., C.E.,
Deputy Minister of Railways and Canals.

SIR,—I have the honour to submit herewith Telegraph Statistics for the year ended June 30, 1916.

Reports were received from all the organizations within the jurisdiction of the department.

The returns disclose operating results above those of last year. Earnings were the highest of any year since statistics in relation to the telegraph interests of Canada were required.

ORGANIZATION.

Anglo-American Telegraph Company, Limited.—Chairman of the Board, Francis A. Bevan; Directors, Messrs. Francis A. Bevan, Robert H. Benson, and Sir Herbert S. Leon, Bart.; Secretary, William Miles, Winchester House, Old Bond Street, London, England. The company has leased its whole undertaking to the Western Union Telegraph Company, of New York, for 99 years from 1st April, 1911.

Canadian Northern Telegraph Company.—The operating interests of this company have been taken over by the Great North Western Telegraph Company and the results of operation are included in the report of the latter corporation.

Canadian Pacific Railway Company's Telegraph.—President, Right Honourable Lord Shaughnessy, K.C.V.O.; Vice-Presidents, G. Bury, I. G. Ogden, G. M. Bosworth, E. W. Beatty, K.C., and G. Hall; Directors, Right Honourable Lord Shaughnessy, Sir Thomas Skinner, Bart., Sir Edmund B. Osler, K.C., Sir Herbert S. Holt, Colonel Frank S. Meighen, Hon. Robert Mackay, Hon. James Dunsmuir, R. B. Angus, A. M. Nanton, E. W. Beatty, K.C., W. D. Matthews, C. R. Hosmer and G. Bury; Secretary, W. R. Baker, C.V.O.; Treasurer, H. E. Suckling; Comptroller, J. Leslie; General Auditor, F. E. Shrimpton; Manager, J. McMillan.

Dominion Government Telegraph Service.—This service is administered by the Department of Public Works, Ottawa. Mr. D. H. Keeley is the general superintendent. Operations are carried on in those outlying sections of the Dominion which are not served by commercial telegraph organizations.

Grand Trunk Pacific Telegraph Company.—President, E. J. Chamberlin; Vice-Presidents, M. Donaldson and W. H. Ardley; Directors, Messrs. E. J. Chamberlin, W. H. Biggar, W. H. Ardley, M. Donaldson, Howard G. Kelley, and H. Hulatt; Secretary, Henry Phillips; Treasurer, Frank Scott; General Counsel, W. H. Biggar, K.C.; Auditor, W. H. Ardley; Manager, H. Hulatt. Headquarters, Montreal.

Great North Western Telegraph Company.—President, Z. A. Lash; Vice-President, Adam Brown; Directors, Messrs. Adam Brown, James Hedley,

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Z. A. Lash, Hon. J. K. Kerr, A. Jarvis, F. B. Hayes, D. B. Hanna, George D. Perry and R. P. Ormsby; Secretary, A. C. McConnell; Treasurer, D. E. Henry; General Manager, George D. Perry.

North American Telegraph Company.—President, C. F. Sise; Vice-President, Hon. Robert Mackay; Directors, Messrs. C. F. Sise, Hon. Robert Mackay, C. F. Sise, jr., Hugh Paton, Charles Cassils, L. B. McFarlane, and W. H. Black; Secretary-Treasurer, J. H. Hoppes, Kingston, Ontario.

Temiskaming and Northern Ontario Railway Commission.—Chairman of the Board, J. L. Englehart; Commissioners, Denis Murphy and George W. Lee; Secretary-Treasurer, W. H. Maund; Accountant, T. J. Gracey; Superintendent, W. J. Kelly. Headquarters, Toronto.

Western Union Telegraph Company.—President, Newcomb Carlton; Vice-Presidents, G. W. E. Atkins, Rush Taggart, J. C. Williver, W. N. Fashbaugh, G. M. Yorke and E. Y. Gallaher; Treasurer, Lewis Dresdner; Secretary, W. H. Baker; General Auditor, H. W. Ladd; General Attorney, A. T. Benedict; Directors, Messrs. Oliver Ames, William Vincent Astor, Henry A. Bishop, Newcomb Carlton, Robert C. Clowry, Henry W. DeForest, Chauncey M. Depew, William Fahnestock, Donald G. Geddes, Geo. J. Gould, Chauncey Keep, Robert S. Lovett, Edwin G. Merrill, Percy A. Rockefeller, Jacob H. Schiff, Mortimer L. Schiff, James Stillman, William H. Truesdale, Joseph J. Slocum, W. K. Vanderbilt, jr., and Albert H. Wiggin; Comptroller, E. Y. Gallaher; General Attorney, A. T. Benedict. Headquarters, 195 Broadway, New York.

Halifax and Bermudas Cable Company, Limited.—President, Sir Thomas Skinner, Bart; Directors, Sir Thomas Skinner, Bart., George Gray Ward, Frederick Ward, Thomas Hewitt-Skinner, and William Morrey Kent; General Manager and Secretary, Joseph Rippon, 33 Old Broad Street, London, England.

Pacific Cable Board.—Chairman, Sir H. Babington Smith, K.C.B., C.S.I.; Board, Sir William H. Mercer, K.C.M.G., (Crown Agent for the Colonies), Sir G. S. Gibb, (Chairman of the Road Board), Hon. Sir George H. Perley, A. Lang, C.M.G., (Representing the Dominion of Canada), Right Hon. Andrew Fisher, P.C., Sir T. A. Coghlan, K.B., I.S.O., (Representing the Commonwealth of Australia) and Hon. Sir T. Mackenzie, K.C.M.G., (Representing the Dominion of New Zealand); Secretary F. J. Adye; Manager in the Pacific, J. Milward, Sydney, Australia.

Marconi Wireless Telegraph Company.—President, Andrew A. Allan; Vice-President, Guglielmo Marconi, D.Sc., LL.D.; Directors, J. N. Green-shields, K.C., Robert Bickerdike, M.P., G. M. Bosworth, and Godfrey C. Isaacs; Secretary-Treasurer, Alex. E. Reoch; General Manager, J. H. Lauer. Headquarters, Montreal.

CAPITALIZATION AND COST.

The situation with respect to both capitalization and cost is somewhat confusing. There are a number of organizations which have neither stocks nor bonds outstanding, and which are unable to report the cost of their telegraph systems. The Canadian Pacific Railway Company's telegraph is a case in point. Primarily, many of the lines were built as a part of the railway system of the Company, and the cost was wrapped up with capital expenditures for purely railway purposes. Many stretches of wire are also used for both train

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despatching and the transmission of commercial messages. The case of the Pacific Cable Board illustrates another aspect of the matter. This cable line is owned jointly by the United Kingdom and the several British Dominions concerned, and the cost for the purposes of these statistics is the cost of equipment within the Dominion of Canada. With these explanations the facts given will be understood.

Following is the capitalization of companies having headquarters in Canada:—

	Stocks.	Bonds.
	\$	\$
Canadian Northern Telegraph Company.....	500,000	800,000
Grand Trunk Pacific Telegraph Company.....	100,000	
Great North Western Telegraph Company.....	500,000	
Marconi Wireless Telegraph Company.....	5,000,000	
North American Telegraph Company.....	200,000	
Total.....	6,300,000	800,000

The figures of cost relating to Canadian companies were as follows:—

Canadian Pacific Railway Company's Telegraph.....	\$6,696,421
Dominion Government Telegraph Service.....	2,762,076
Marconi Wireless Telegraph Co.....	527,466
North American Telegraph Company.....	56,675
Pacific Cable Board.....	60,000
Temiskaming and Northern Ontario.....	75,218
Total.....	\$10,177,856

EARNINGS AND OPERATING EXPENSES.

Gross receipts from operation amounted to \$6,255,740.16 in 1916, as compared with \$5,536,337.46 in 1915.

It should be explained that the earnings of the Western Union Telegraph Company include an arbitrary assignment of a certain amount for such business as is merely relayed across certain portions of Canada from the cable station at Canso, N.S., to points in the United States.

The sources and amounts of gross revenue, on a comparative basis, for 1916 and the four years preceding, were as follows:—

	1912.	1913.	1914.	1915.	1916.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Local messages.....	2,751,490 21	3,187,127 53	2,859,101 22	2,562,563 60	3,023,655 52
Conjoint messages.....	1,385,586 01	1,409,449 78	1,358,194 12	1,187,638 24	1,258,721 14
Press reports.....	158,839 88	123,568 89	143,798 85	122,422 04	95,409 16
Market reports.....	98,437 70	103,710 58	99,638 33	40,723 86	91,737 22
Cablegrams.....	484,713 68	682,456 78	711,326 89	806,309 23	959,960 85
Money Orders.....	40,770 61	49,730 08	56,416 96	39,975 56	37,069 06
Leased wires.....	288,009 44	297,083 40	305,746 19	279,018 76	297,542 73
Miscellaneous.....	151,339 39	242,085 84	448,981 48	497,686 17	491,644 48
Total.....	5,359,188 92	6,095,212 90	5,983,204 04	5,536,337 46	6,255,740 16

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It will be observed there has been a substantial increase in receipts from cablegrams since 1912, and particularly since the outbreak of the European war.

Operating expenses:—

	1912.	1913.	1914.	1915.	1916.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Salaries and wages.....	2,583,887 50	2,884,590 20	2,908,697 07	2,735,956 57	2,823,400 52
Stationery and printing.....	31,060 14	29,442 65	39,133 22	40,979 18	55,833 98
Line and equipment.....	372,344 25	402,149 33	674,086 18	762,658 14	689,560 95
Buildings.....	229,046 58	241,486 31	271,155 67	257,427 28	251,959 86
Legal expenses.....	2,177 40	3,918 59	2,858 35	743 19	2,016 00
Insurance.....	3,960 37	2,448 24	5,186 25	7,856 93	8,283 67
Commissions.....	143,070 03	141,854 06	130,877 51	114,840 14	127,091 66
Taxes.....	23,665 25	20,539 05	30,971 86	31,257 87	34,470 46
Miscellaneous.....	138,610 44	308,072 00	179,573 62	177,446 52	211,897 91
Total.....	3,527,821 96	4,034,480 43	4,242,539 73	4,129,165 82	4,204,515 01

The following statement shows how gross earnings in 1916 and three years preceding were distributed among the various companies:—

	1913.	1914.	1915.	1916.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Canadian Northern Telegraph Company.....	276,739 70	264,615 03	149,785 67	.....
Canadian Pacific Railway Company.....	3,286,508 95	2,991,273 06	2,504,241 50	2,748,819 63
Dominion Government Telegraph Service....	215,526 11	253,112 57	225,944 27	181,227 04
Grand Trunk Pacific Telegraph Company....	72,126 80	81,975 51	75,268 01	100,175 20
Great North Western Telegraph Company...	1,244,302 67	1,252,930 14	1,295,774 91	1,828,639 69
Halifax and Bermudas Cable Company.....	69,710 00	77,465 00	87,930 00	99,975 00
Marconi Wireless Telegraph Company.....	218,660 00	239,006 70	306,615 47	296,139 82
North American Telegraph Company.....	22,023 49	23,849 95	19,843 40	18,854 46
Pacific Cable Board.....	85,166 60	98,558 25	113,657 52	179,381 76
Temiskaming and Northern Ontario Com- mission.....	36,297 73	32,165 17	24,912 01	29,460 36
Western Union Telegraph Company.....	568,150 85	668,252 66	732,364 70	773,067 20
Total.....	6,095,212 90	5,983,04 04	5,536,337 46	6,255,740 16

Operating expenses in 1916 and the three years preceding were distributed among the reporting units as follows:—

	1913.	1914.	1915.	1916.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Canadian Northern Telegraph Company.....	141,742 68	153,603 95	89,693 28	.....
Canadian Pacific Railway Company.....	1,691,953 38	1,613,687 64	1,382,507 16	1,339,161 02
Dominion Government Telegraph Service....	491,550 80	623,755 29	632,674 98	661,982 34
Grand Trunk Pacific Telegraph Company....	62,236 13	93,870 12	105,405 76	89,920 49
Great North Western Telegraph Company...	911,884 98	947,964 56	993,495 52	1,198,700 13
Halifax and Bermuda Cable Company.....	25,695 00	20,403 00	25,200 00	24,110 00
Marconi Wireless Telegraph Company.....	218,597 00	231,848 08	285,552 85	226,051 99
North American Telegraph Company.....	21,084 55	21,607 59	21,640 24	16,760 57
Pacific Cable Board.....	69,649 69	76,146 92	85,753 07	118,967 44
Temiskaming and Northern Ontario Com- mission.....	12,495 34	11,150 00	13,190 72	9,987 20
Western Union Telegraph Company.....	387,590 88	448,502 58	494,052 24	518,873 83
Total.....	4,034,480 43	4,242,539 73	4,129,165 82	4,204,515 01

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INCOME ACCOUNT.

Following is a summary of table 4 in relation to the Income Account of telegraph organizations:—

Gross revenue.....	\$6,057,127 81	
Operating expenses.....	3,518,203 64	
Net operating revenue.....		\$2,538,924 17
Additions—		
From outside operations.....	\$ 743 21	
Rents.....	11,003 44	
From securities held.....		
Other items.....	5,638 66	
		17,385 31
Gross corporate income.....		\$2,556,309 48
Deductions—		
Taxes.....	\$ 21,329 03	
Interest on bonds.....	130,000 00	
Other deductions.....	122,451 44	
		273,780 47
Net corporate income.....		\$ 2,282,529 01
Disposal of net corporate income—		
Dividends.....	\$ 226,914 00	
Reserves.....	18,015 20	
		244,9 9 20
Balance.....		\$ 2,037,599 81

EQUIPMENT.

For the first time, reporting units were required in 1916 to submit the facts with respect to physical equipment over and above pole and wire mileage. Table 10 will afford details of this new feature.

Following are the facts with respect to pole and wire mileage, by provinces, for 1916 and the three years preceding.

Province.	Pole Mileage.				Wire Mileage.			
	1913.	1914.	1915.	1916.	1913.	1914.	1915.	1916.
Nova Scotia	2,907.25	2,931.75	2,944.00	2,962.40	9,412.49	10,912.23	11,474.45	11,318.79
New Brunswick...	2,251.25	1,910.25	2,000.25	2,269.75	7,297.34	8,444.79	8,690.80	9,488.31
Quebec	7,035.25	6,851.00	6,836.25	284.00	25,242.20	22,296.25	22,579.00	447.89
Ontario	11,166.90	11,258.40	11,164.40	7,630.75	47,682.55	66,245.55	66,183.35	24,096.50
Manitoba.....	3,808.00	3,908.75	4,210.40	12,161.40	13,697.10	19,377.80	21,884.75	69,166.05
Saskatchewan	5,863.65	6,749.10	6,947.85	4,124.40	19,499.80	26,830.40	27,062.05	20,582.00
Alberta.....	3,476.05	4,050.50	4,949.20	6,981.60	16,193.05	19,286.70	22,494.75	26,182.30
British Columbia.	5,838.14	6,699.64	7,319.31	5,015.20	15,192.46	19,181.72	21,866.25	22,905.50
Yukon.....	688.00	688.00	586.00	7,111.99	688.00	588.00	586.00	21,654.38
Newfoundland.	14.00	14.00	14.00	710.00	14.00	14.00	14.00	710.00
	43,048.49	45,061.39	46,971.66	49,251.49	152,918.99	193,277.44	202,835.40	206,551.72

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The wire mileage in 1915 and four preceding years was distributed, by classes, as follows:—

	1912.	1913.	1914.	1915.	1916.
	Miles.	Miles.	Miles.	Miles.	Miles.
Galvanized.....	116,974	122,168	126,886	132,343	136,299
Copper overhead.....	50,100	29,417	21,606	27,812	27,927
Copper—underground.....	254	698	737	748	910
Copper—submarine.....	689	636	653	619	580
Multiple.....	36,218	39,794	43,395	41,283	40,836

“Multiple” must be understood as applying to wire used for the duplex and quadruplex systems. Each mile of wire is, however, capable of serving the purpose of from two to four miles under ordinary conditions. The count is based on actual mileage of wire.

Physical equipment:—

Cells of gravity battery, main.....	23,878
“ “ local.....	7,878
Cells of storage battery, 20 ampere hours.....	4,401
“ “ 160 “.....	122
Motor generators, generator side:	
8 volts.....	21
28 “.....	24
100 to 135 “.....	25
200 “.....	43
350 to 400 “.....	20
Single instruments.....	7,014
Single repeaters.....	134
Duplex instruments.....	174
Quadruplex instruments.....	81
Circuits of printing telegraphs.....	17

PUBLIC SERVICE.

Larger earnings are reflected in an increase of land messages, as shown in the following comparative statement:—

1912.....	9,252,540	1914.....	11,980,869
1913.....	11,176,753	1915.....	9,952,135
		1916.....	10,835,936

Cablegrams:—

1912.....	768,559	1914.....	983,061
1913.....	877,534	1915.....	977,389
		1916.....	1,134,905

EMPLOYEES.

The number of employees, increased from 6,243 in 1915 to 6,581 in 1916. Of the foregoing employees, 4,414 were operators, of whom 3,935 were males and 479 females. Other officers and employees had a total of 2,167, showing a decline of 66 for the year. Salaries and wages amounted to \$2,898,229.83, as compared with \$2,946,-327.14 for 1915. The aggregate of salaries and wages was equal to 68.94 per cent of operating expenses. The ratio in 1915 was 71.3 and in 1914 it was 75.8.

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NUMBER OF OFFICES.

Following are the facts with respect to the number of offices, and their distribution by provinces:—

	1915.	1916.
Nova Scotia.....	288	306
New Brunswick.....	159	156
Prince Edward Island.....	2	30
Quebec.....	817	847
Ontario.....	1,246	1,209
Manitoba.....	420	242
Saskatchewan.....	610	545
Alberta.....	296	316
British Columbia.....	643	682
Yukon.....	17	17
In United States.....	37	37
Total.....	4,535	4,387

FINANCIAL PAPER.

The volume of financial paper handled was as follows:—

1915.....	\$665,255
1916.....	559,360

I have the honour to be, sir,
Your obedient servant,

J. L. PAYNE,
Comptroller of Statistics.

TABLE 1. Capital Liability, Cost, Gross Revenue, and Operating Expenses.

Name of Company	Address.	Capital Stock.	Funded Debt.	Cost of Real Property and Equipment.	Revenue from Operation.	Operating Expenses.	Net Operating Revenue.	Net Operating Loss.
		\$ cts	\$ cts	\$ cts	\$ cts	\$ cts	\$ cts	\$ cts
Anglo-American Telegraph Co., Ltd.	London, Eng.	34,000,000 00		34,000,000 00				
American Telegraph and Cable Co.	New York	14,000,000 00						
Canadian Pacific Railway Co.	Montreal.			6,690,421 40	2,748,849 63	1,330,161 02	1,409,658 61	
Direct United States Cable Co.	London, Eng.	5,909,106 66		5,909,106 66				
Dominion Government Telegraphic Service	Ottawa			2,762,076 00	181,227 04	661,982 34		180,755 30
Grand Trunk Pacific Telegraph Co.	Montreal	100,000 00			100,175 20	89,920 49	10,254 71	
Great North Western Telegraph Co. of Canada	Toronto.	500,000 00			1,828,639 69	1,198,700 13	629,939 56	
Halifax and Bermudas Cable Co., Ltd.	London, Eng.	250,000 00		757,740 00	99,975 00	24,110 00	65,728 00	
Marconi Wireless Telegraph Co. of Canada Ltd	Montreal.	5,000,000 00		527,466 13	296,139 82	226,051 99	70,087 83	
North American Telegraph Co.	Kingston, Ont.	200,000 00		50,675 13	18,854 46	16,760 57	2,093 89	
Pacific Cable Board	London, Eng.		8,723 168 00	460,000 00	179,381 76	118,967 44	60,414 32	
Temiskaming and Northern Ontario Rail- way Commission	Toronto.			75,217 53	29,460 36	9,987 20	19,473 16	
Western Union Telegraph Co.	New York.	99,817,100 00	32,102,000 00	142,086,709 33	773,067 20	518,873 83	254,193 37	
Totals		159,842,873 32	40,825,168 00	192,998,078 84	6,255,740 16	4,204,515 01	2,519,843 45	480,755 30

* In Canada only.

TABLE 2.—Gross Revenue and the Sources Thereof.

Name of Company.	Local Messages.	Conjoint Messages.	Press Reports.	Market Reports.	Cablegrams.	Money Orders.	Leased Wire.	Miscellaneous.	Total Gross Revenue.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Canadian Pacific Railway Co	1,806,484 37	415,012 30	18,795 69	5,573 11	207,081 45	12,835 24	262,594 78	20,442 69	2,748,819 63
Dominion Government Telegraph Service..		181,227 04							181,227 04
Grand Trunk Pacific Telegraph Co. . .	91,928 70	6,128 58						2,117 92	100,175 20
Great North Western Telegraph Co. of Canada....	767,738 18	624,471 64	63,609 64	85,075 25	156,797 42	16,330 31	31,249 74	83,367 51	1,828,639 69
Halifax and Bermudas Cable Co., Ltd.			2,380 00		88,351 00			9,244 00	99,975 00
Marconi Wireless Telegraph Co. of Canada, Ltd. . .	140,795 71				100,046 12			1155,297 99	296,139 82
North American Telegraph Co.	3,541 96	13,539 15			863 47	144 17	743 21	22 50	18,854 46
Pacific Cable Board					179,381 76				179,381 76
Temiskaming and Northern Ontario Railway Commission	7,292 13	18,342 43	805 00		65 80		2,955 00		29,460 36
Western Union Telegraph Co..	305,874 47		9,818 83	1,088 86	227,373 83	7,759 34		*221,151 87	773,067 20
Totals..	3,023,655 52	1,258,721 14	95,409 16	91,737 22	959,960 85	37,069 06	297,542 73	491,644 48	6,255,740 16

* Includes \$219,656 20 Cable Expenses at relay stations.

† Ship's messages.

‡ Includes subsidies.

TABLE 3.--Operating Expenses.

Name of Company.	Salaries.	Stationery and Printing.	Maintenance of Line and Equipment.	Maintenance of Buildings, etc.	Legal Expenses.	Insurance.	Commissions.	Taxes.	Miscellaneous.	Operating Expenses.
	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.	\$ cts.
Canadian Pacific Railway Co.	1,087,687 28		35,521 64	215,952 10						1,339,161 02
Dominion Government Telegraph Service	400,479 86	9,471 02	252,031 46	†						661,982 34
Grand Trunk Pacific Telegraph Co.	23,335 32	3,053 68	48,265 25				11,251 18	977 78	3,037 28	89,920 49
Great North Western Telegraph Co. of Canada	676,667 47	33,950 41	199,721 31	2,280 76	2,013 00	2,448 50	101,157 01	20,441 52	160,020 15	1,198,700 13
Halifax and Bermuda Cable Co., Ltd.	18,358 00	864 00	249 00			80 00		2,705 00	1,854 00	24,140 00
Marconi Wireless Telegraph Co. of Canada, Ltd.	141,664 43		65,323 56			5,498 37		2,530 50	11,035 13	226,051 99
North American Telegraph Co	3,272 46	55 84	688 76	118 33	3 00	256 80	7,121 79	887 51	4,056 08	16,760 57
Pacific Cable Board	88,057 67	3,607 19		4,652 63				181 33	22,468 62	118,967 44
Teniskaming and Northern Ontario Railway Commission.			1,428 57	8,558 63						9,987 20
Western Union Telegraph Co	383,878 03	4,831 84	86,331 40	20,397 41			7,261 68	6,746 82	9,426 65	518,873 83
Totals	2,823,400 52	55,833 98	689,560 95	251,959 86	2,016 00	8,283 67	127,091 66	34,470 46	211,897 91	4,204,515 01

† Included in Maintenance of Line.

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TABLE 4.—Income Account for the Year ended June 30, 1916.

Name of Company.	Gross Revenue.	Operating Expenses.	Net Operating Revenue.	ADDITIONS.					GROSS CORPORATE INCOME.	
				Outside Operations.	Rebts.	From Securities Held.	Other Income.	Total.	Income.	Loss.
Canadian Pacific Railway Co.....	\$ 2,748,819 63	\$ 1,339,161 02	\$ 1,409,658 61						\$ 1,409,658 61	
Grand Trunk Pacific Telegraph Co.	109,175 20	89,929 49	19,254 71						19,254 71	
Great North Western Telegraph Co. of Canada	11,812,029 69	1,178,258 61	633,791 48		10,900 44		5,638 66	16,539 10	650,381 08	
Halifax and Bermudas Cable Co., Ltd....	99,975 00	24,110 00	75,865 00						75,865 00	
Marconi Wireless Telegraph Co. of Canada ...	296,159 82	224,051 49	70,087 89						70,087 89	
North American Telegraph Co.....	18,088 75	12,873 06	5,215 69	745 21	22 59			765 71	5,981 49	
Pacific Cable Board	179,381 76	118,967 44	60,414 32						60,414 32	
Tenniskaming and Northern Ontario Railway Commission.....	20,460 36	9,987 20	19,473 16						19,473 16	
Western Union Telegraph Co.....	773,067 20	518,873 83	254,193 37						254,193 37	
Totals.....	6,057,127 81	3,518,203 64	2,538,924 17	743 21	11,003 44		5,638 66	17,385 31	12,556,309 48	

TABLE 4.—Income Account (Concluded).

Name of Telephone Company	Income			New Contract Income		Interest on Investment		Rental of leased lines		Totals	
	Taxes, Licenses, on leased	Operating Income	Other Income	Total Income	Income	Income	Income	Income	Income	Income	Income
Canadian Pacific Ry. Co.					1,409,688.61					1,409,688.61	
Grand Trunk Pacific Telephone Co.					10,244.71					10,244.71	
Great Northern Western Telephone Co. of Canada	20,444.52	130,000.00	119,451.41	269,895.93			241,414.00			150,558.92	
Holmes and Hornum Cable Co., Ltd.					75,887.00		17,600.00	15,000.00		69,657.00	
Marconi Wireless Tel. Co. of Canada, North American Tele- graph Co.	87.51		5,000.00	3,887.51						70,057.51	
Pacific Cable and Telegraphing and Northern Ontario Ry. Com.					2,000.89					2,000.89	
Western Union Tele- graph Co.					60,414.00					60,414.00	
					19,473.16					19,473.16	
Totals	21,329.03	130,000.00	122,451.41	273,780.44	2,282,529.01		269,414.00	18,015.00	20,244.92	2,057,599.81	

Bonds of Canadian Northern Telephone Co. \$107,789.03 proportion of profits of Can. Northern Tel. Co. Rental of leased lines

TABLE 5.—Pole Mileage and Wire Mileage by Classes.

Name of Company.	Address.	Pole Mileage.		Galvanized.	Wire Mileage.				Multiple.
		Operated by Company.			Copper Wire.		Submarine.		
		Miles.	Operated by Another Company.		Overhead.	Underground.			
		Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	
Canadian Pacific Railway Co.	Montreal	14 157.00		46,013.00	17,644.00	512.00	114.00	37,046.00	
Department of Government Telegraph Service.	Ottawa	10,999.55		11,115.50	346.00		331.25		
Grand Trunk Pacific Telegraph Co.	Montreal	5,400.72		12,589.00	7,208.00	25.00	1.50		
Great North Western Telegraph Co. of Canada.	Toronto	15,002.00	70.00	46 141.00	1,728.80	472.70	193.00	3,790.00	
North American Telegraph Co.	Kingston, Ont.	44.00		624.00					
Trunkline and Northern Ontario Ry. Co.	Toronto	6,000.00		1,670.00					
Western Union Telegraph Co.	New York	1,982.89		10 103.07					
Total.		46,176.1	77.00	133,299.57	27,926.80	990.70	579.75	40,836.00	

TABLE 6.—Messages, Employees, Remuneration, etc.

Name of Company	Address	Number of Mss. Handled	Number of Cablegrams	Number of Operators		Number of other Officers and Employees	Salaries and Wages	Amount of Financial Paper Handled
				Male	Female			
Canadian Pacific Railway Co.	Montreal	4 148 292	902 721	437	121	1 098	\$ 1 077 687 28	\$ 497 853 74
Dominion Government Telegraph Service	Ottawa	71 855		77	159	172	400 479 89	
Grand Trunk Pacific Telegraph Co.	Montreal	215 640		340	5	55	45 907 74	
Great North Western Telegraph Co. of Canada	London, Ont.	5 467 575	443 900	1 944	175	541	725 145 36	61 506 71
Habibux and Bermudas Cable Co. Ltd.	London, Eng.						18 758 00	
Marconi Wireless Telegraph Co. of Canada	Montreal	5 750	161 500	16		131	441 641 45	
North American Telegraph Co.	Quebec, Ont.	94 344	5 170	5	10	3	5 552 46	
Pacific Cable Co.	London, Eng.			30		8	8 667 67	
Telegraph and Northern Ontario Railway Co. Ltd.	Quebec	1 213 41	578		1	1	5 573 90	
Western Union Telegraph Co.	New York	647 000	201 453	239	47	247	2 387 8 05	
Total		10 655 000	1 144 995	2 900	479	2 105	2 898 229 85	559 369 45

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TABLE 7.—Pole Mileage by Provinces.

Name of Company.	Nova Scotia.	New Brunswick.	Prince Edward Island.	Quebec.	Ontario.	Manitoba.	Saskatchewan.	Alberta.	British Columbia.	Yukon..
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
Canadian Pacific Railway Co.....	558.00	476.00		1,246.00	3,978.00	1,650.00	2,775.00	1,711.00	1,743.00	
Dominion Government Telegraph Service.....	847.00	91.75	*14.00	2,154.25	28.50		982.50	1,433.00	4,438.25	710.00
Grand Trunk Pacific Telegraph Co.		255.00		784.50	1,337.00	300.50	1,107.00	689.00	717.75	
Great North Western Telegraph Co. of Canada.....		455.00		3,398.00	6,345.40	2,173.90	2,117.10	1,182.20	96.00	
North American Telegraph Co.....					44.00					
Temiskaming and Northern Ontario Railway Commission.....					330.00					
Western Union Telegraph Co.....	1,557.40	992.00	270.00	48.00	98.50				116.99	
Totals.....	2,962.40	2,269.75	284.00	7,630.75	12,161.40	4,124.40	6,981.60	5,015.20	7,111.99	710.00

* In Newfoundland.

TABLE 8.—Wire Mileage by Provinces.

Name of Company.	Nova Scotia.	New Brunswick.	Prince Edward Island.	Quebec.	Ontario.	Manitoba.	Saskatchewan.	Alberta.	British Columbia.	Yukon.
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
Canadian Pacific Railway Co.....	2,607 00	2,916 00		9,362 00	35,411 00	10,157 00	15,004 00	14,322 00	11,550 00	
Dominion Government Telegraph Service.....	993 50	125 25	*14 00	2,407 50	45 75		1,069 50	1,449 50	5,007 75	710 00
Grand Trunk Pacific Telegraph Co.		517 00		1,584 00	3,833 00	1,808 00	3,932 00	3,818 50	4,331 00	
Great North Western Telegraph Co. of Canada.....		456 00		10,695 00	23,684 10	†8,617 00	6,176 80	3,315 50	192 00	
North American Telegraph Co.....					664 00					
Temiskaming and Northern Ontario Railway Commission.....					1,670 00					
Western Union Telegraph Co.....	7,718 29	5,474 06	433 89	48 00	3,858 20				573 63	
Totals.....	11,318 79	9,488 31	447 89	24,096 50	69,166 05	20,582 00	26,182 30	22,995 50	21,654 38	710 00

* In Newfoundland. † 596.80 miles in State of Minnesota.

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TABLE 9.—Number of Offices by Provinces.

Name of Telegraph Company.	Nova Scotia.	New Brunswick.	Prince Edward Island.	Quebec.	Ontario.	Manitoba.	Saskat- chewan.	Alberta.	British Columbia.	Yukon.	Total.
Canadian Pacific Railway Co.....	28	18	.....	229	526	112	282	168	137	.....	1,500
Dominion Government Telegraph Service....	137	34	*2	190	9	.....	43	60	500	17	992
Grand Trunk Pacific Telegraph Co.....	.....	.....	.....	.....	40	11	59	32	14	.....	156
Great North Western Telegraph Co. of Canada.....	.....	39	.....	411	555	119	161	55	16	.....	†1,393
Halifax and Bermudas Cable Co.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
North American Telegraph Co.....	.....	.....	.....	.....	44	.....	.....	.....	.....	.....	44
Marconi Wireless Telegraph Co.....	6	2	1	11	8	.....	.....	.....	1	.....	29
Pacific Cable Board.....	.....	.....	.....	1	1	.....	.....	1	2	.....	5
Temiskaming and Northern Ontario Railway Commission.....	.....	.....	.....	.....	26	.....	.....	.....	.....	.....	26
Western Union Telegraph Co.....	134	63	27	5	.....	.....	.....	.....	12	.....	241
Totals.....	306	156	30	847	1,209	242	545	316	682	17	4,387

*In Newfoundland.

†Includes 37 offices in United States.

TABLE 10.—Physical Equipment.

Name of Company.	CELLS OF GRAVITY BATTERY.		CELLS OF STORAGE BATTERY.		8 Volts.	MOTOR GENERATORS, GENERATOR SIDE.				*Single Instruments.	Single Repeaters.	Duplex.	Quad-ruplex.	†Circuits of Printing Telegraphs.
	Main.	Local.	20 Ampere Hours.	160 Ampere Hours.		100 to 350 Volts.								
						25 Volts.	135 Volts.	200 Volts.	400 Volts.					
Canadian Pacific Railway Co.....	12,180	3,380	3,520	104	16	9	13	19	16	3,720	68	129	58	4
Dominion Government Telegraph Service.....	4,500	2,000	.....	.....	.....	.....	.....	.....	.....	900	5	.....	.....	.....
Grand Trunk Pacific Telegraph Co.....	3,740	739	.....	.....	.....	.....	.....	.....	.....	505	7	.....	.....	.....
Great North Western Telegraph Co. of Canada...	3,108	1,539	881	18	5	15	12	24	4	1,740	54	45	23	13
North American Telegraph Co.....	50	121	.....	.....	.....	.....	.....	.....	.....	67	.....	.....	.....	.....
Temiskaming and Northern Ontario Railway Commission.....	300	98	.....	.....	.....	.....	.....	.....	.....	82	.....	.....	.....	.....
Western Union Telegraph Co.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals.....	23,878	7,877	4,401	122	21	24	25	43	20	7,014	134	174	81	17

*Sets (key, relay and sounder).

†Including apparatus at both ends.